

Amendment to the Claims

Please amend Claims 2 and 13 as follows:

1. (Previously presented) An optical inspection system comprising:

- a) a beam splitter having at least a first, second and third ports;
- b) a source of illumination connected to a first port of the beam splitter;
- c) a camera connected to a second port of the beam splitter;
- d) an inspection area facing the third port of the beam splitter; and
- e) a light trap receiving extraneous light from the beam splitter, the light

trap comprising a wall surrounding an angled surface and an opening into a cavity, configured such that a portion of the extraneous light impinging on the angled surface is diverted through the opening into the cavity.

2. (Currently amended) The optical inspection system of claim 1 wherein the ~~the~~ wall has a cylindrical shape.

3. (Previously presented) The optical inspection system of claim 1 wherein the angled surface is parabolic.

4. (Previously presented) The optical inspection system of claim 1 wherein the extraneous light comprises light from the source of illumination transmitted through the beam splitter without reflection at the beam splitter.

5. (original) The optical inspection system of claim 1 wherein the angled surface is made of light absorbing material.

6. (Previously presented) The optical inspection system of claim 1 wherein the wall comprises light absorbing material.

7. (Previously presented) The optical inspection system of claim 1 wherein the wall comprises anodized aluminum.

8. (Previously presented) The optical inspection system of claim 1 wherein the angled surface is made of a reflective material.

9. (original) The optical inspection system of claim 1 wherein the light trap comprises a plurality of angled surfaces and a plurality of cavities.

10. (Previously presented) An optical inspection system comprising:

- a) a source of illumination emitting light in a first direction;
- b) a mirror having a reflective surface positioned at an angle transverse to the first direction;
- c) an inspection area illuminated by light reflected from the mirror;
- d) a camera facing the inspection area; and
- e) means for absorbing extraneous light from the source of illumination passing through the mirror, said means being positioned on a side of the mirror opposite the source of illumination and comprising a wall surrounding an angled surface and an

opening into a cavity, configured such that a portion of said extraneous light impinging on the angled surface is diverted through said opening into said cavity.

11. (Previously presented) The optical inspection system of claim 10 wherein the angled surface is parabolic.

12. (Previously presented) The optical inspection system of claim 11 wherein the wall comprises light absorptive material.

13. (Currently amended) The optical inspection system of claim 11 wherein the means for absorbing extraneous light comprises a surface having a plurality of projections formed thereon, and wherein the angled surface is one of a plurality of angled ~~sufaees~~ surfaces each provided on one of the projections.

14. (Previously presented) The optical inspection system of claim 11 wherein the angled surface is a surface of a cone.

15. (Previously presented) The optical inspection system of claim 14 wherein the angled surface comprises light absorbing material.

16. (Previously canceled).

17. (Previously presented) The optical inspection system of claim 10 wherein the angled surface comprises reflective surface.

18. (original) The optical inspection system of claim 10 additionally comprising a computer connected to the camera.